METHOD FOR HANDOFF BETWEEN AN ASYNCHRONOUS CDMA BASE STATION AND A SYNCHRONOUS CDMA BASE STATION

ABSTRACT

An improved method for facilitating handoff between an asynchronous and a synchronous base station. A method for determining a pilot channel PN offset of a pilot channel transmitted by a wireless base station. In a first embodiment, the method includes correlating a PN sequence with a received pilot signal to acquire a PN frame timing, receiving at least one search code burst aligned with the PN frame timing, the at least one search code burst signifying the pilot channel PN offset, and comparing the at least one search code burst to a set of codewords, each codeword representing a predetermined PN offset. From the search code bursts, the mobile station is able to quickly determine the PN offset of the transmitting base station, and thereby identify it. Methods for transmitting a complementary set of forward link channels are also disclosed.